

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	31	((RICHARD) near2 (SPITZ)).INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/22 09:22
S2	23	((ALFRED) near2 (GOERLACH)).INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/22 09:22
S3	4	((DANA) near2 (KEPELER)).INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/22 09:22
S4	3	(S1 or S2 or S3) and ((sublayer or sub layer) and (dop\$3) and (p-n or diode)).clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/22 09:24
S5	10	"3341380"   "3909119"   "3933541"   "4040878"   "4683483"   "4720469"   "5150176"   "5432360"   "5541140").PN. OR ("7154129").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/22 09:33
S6	0	((("2002070380") or ("2002127890") or ("2002072207")).PN.	US-PGPUB; USPAT	OR	OFF	2008/01/22 09:47
S7	3	((("20020070380") or ("20020127890") or ("20020072207")).PN.	US-PGPUB; USPAT	OR	OFF	2008/01/22 09:49
S8	1	("2002/0127890").URPN.	USPAT	ADJ	ON	2008/01/22 10:23
S9	9	("20020070380"   "20020072207"   "20020127890"   "4258311"   "4264857"   "4293868"   "4956690"   "6579772"   "6639301").PN. OR ("7199402").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/22 10:24
S10	429	257/104.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/22 10:33
S12	123	257/104.ccls. and @ad<"20020920"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/22 10:37
S13	446	(layer and avalanche and breakdown and p-n and edge and dop\$3) and ("257" or "438").clas. and @ad<"20020920"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/22 11:00

S14	0	(layer and avalanche and breakdown and p-n and (third layer) and dop\$3) and ("257" or "438").clas. and @ad< "20020920"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/22 11:01
S15	9	((multiple or plurality near2 layer) and avalanche and breakdown and p-n and (third layer) and dop\$3) and ("257" or "438").clas. and @ad< "20020920"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/22 11:02
S16	16	((multiple or plurality near2 layer) and avalanche and breakdown and p-n and (third layer) and dop\$3) and ("257" or "438").clas. and @ad< "20020920"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/22 11:02
S17	50	((("20060097280") or ("5021845") or ("4134123") or ("4586065") or ("4397775") or ("4463268") or ("4783597") or ("4916494") or ("5223919") or ("5399871") or ("5434423") or ("5873937") or ("6182604") or ("6335536") or ("6500496") or ("6527918") or ("20020066668") or ("6144070") or ("4270137") or ("4425573") or ("4860074") or ("4864380") or ("5338960") or ("5506422") or ("5847438") or ("6022770") or ("6031265") or ("6153916") or ("6184562") or ("6242762") or ("4249968") or ("4300150") or ("4300148") or ("4318216") or ("4354309") or	US-PGPUB; USPAT	OR	OFF	2008/01/22 12:38

		("4360964") or ("4433468") or ("4609929") or ("4616404") or ("4626879") or ("4628248") or ("4757026") or ("4766094") or ("4769686") or ("4780426") or ("4784965") or ("4791464") or ("4801555") or ("4835111") or ("4843441"))).PN.				
S18	461	(layer and avalanche and breakdown and p-n and diode and dop\$3) and ("257" or "438").clas. and @ad< "20020920"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/22 12:45
S19	3	("4789887"   "5357126"   "5756387").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/22 12:50
S20	7	("5569942").URPN.	USPAT	ADJ	ON	2008/01/22 15:02
S21	6	("3668481"   "4045248"   "4047218"   "4089020"   "4110488"   "4110775"). PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/22 15:07
S22	10	("4720734").URPN.	USPAT	ADJ	ON	2008/01/22 15:08
S23	210	((multiple or plurality or several or subsequent) near2 layer) and p-n and dop\$3) and (diode).ti. and @ad< "20020920"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/22 15:18
S24	0	("6368932").URPN.	USPAT	ADJ	ON	2008/01/22 15:29
S25	215	((third and second) near2 layer) and p-n and dop\$3) and (diode).ab. and @ad< "20020920"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/22 15:38
S27	230	((third and second) near2 layer) and p-n and dop\$3) and ((diode).ab. or ("diode.ti")) and @ad< "20030603"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/22 15:41

S28	6	("4872039").PN. OR ("5336920").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/22 15:51
S29	486	257/603.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/22 16:02
S30	373	257/603.ccls. and @ad< "20030603"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/22 16:03
S31	1	("5578859").URPN.	USPAT	ADJ	ON	2008/01/22 16:17
S32	2	("3411051").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/22 16:17
S33	8	("5541140").URPN.	USPAT	ADJ	ON	2008/01/22 16:19
S34	1114	(substrate and ((second or third) near2 (layer or sublayer) with (stack\$3 or multiple or plurality or several or many)) and (n near2 dop\$3 with concentration))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/22 16:52
S36	663	(substrate and ((second or third) near2 (layer or sublayer) with (stack\$3 or multiple or plurality or several or many)) and (n near2 dop\$3 with concentration)) and @ad< "20030603"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/22 16:53
S38	783	(substrate and ((second or third) near2 (layer or sublayer) with (stack\$3 or multiple or plurality or several or many or horizontal or planar)) and (n near2 dop\$3 with concentration)) and @ad< "20030603"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/22 16:57
S39	3	((("5541140") or ("5766973") or ("20020125541")).PN.	US-PGPUB; USPAT	OR	OFF	2008/01/23 08:42
S40	8	("5541140").URPN.	USPAT	ADJ	ON	2008/01/23 08:43
S41	1	("2002/0127890").URPN.	USPAT	ADJ	ON	2008/01/23 12:41

S42	9	("20020070380"   "20020072207"   "20020127890"   "4258311"   "4264857"   "4293868"   "4956690"   "6579772"   "6639301"). PN. OR ("7199402"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/23 12:41
S43	3795	(diode.ab.) and ((breakdown voltage) or (avalanche breakdown))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/23 14:50
S44	220	(diode.ab.) and ((breakdown voltage) or (avalanche breakdown)) and (multiple or plurality or stack\$2 or third) layer	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/23 16:59
S45	147	(diode.ab.) and ((breakdown voltage) or (avalanche breakdown)) and ((multiple or plurality or stack\$2 or third) layer) and @ad<"20030603"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/23 17:00
S46	0	("2002/0117697").URPN.	USPAT	ADJ	ON	2008/01/23 17:13
S47	0	("2002/0117697").URPN.	USPAT	ADJ	ON	2008/01/23 17:13
S48	11	("4326211").URPN.	USPAT	ADJ	ON	2008/01/23 17:16
S49	1	(kiyomura near2 akio).in.	USPAT	ADJ	ON	2008/01/23 17:35
S50	8	("4999683").URPN.	USPAT	ADJ	ON	2008/01/23 17:35
S51	0	(terajima near2 takami). in.	USPAT	ADJ	ON	2008/01/23 17:38
S52	92	(suzuki near2 toru).in.	USPAT	ADJ	ON	2008/01/23 17:39
S53	34	(US-20040099929-\$ or US- 20020127890-\$ or US- 20020072207-\$ or US- 20030201442-\$ or US- 20020117697-\$).did. or (US-7154129-\$ or US- 5541140-\$ or US-5405786- \$ or US-6184562-\$ or US- 4843441-\$ or US-4318216- \$ or US-6579772-\$ or US- 5756387-\$ or US-4891685- \$ or US-4047218-\$ or US- 4326211-\$ or US-5336920- \$ or US-6191466-\$ or US- 5578859-\$ or US-5742629-	US-PGPUB; USPAT; JPO	ADJ	ON	2008/01/24 10:13

		\$ or US-4422089-\$ or US-6716714-\$ or US-6965150-\$ or US-6855981-\$ or US-6768156-\$ or US-6639253-\$ or US-5347161-\$ or US-5866936-\$ or US-4442444-\$ or US-4203123-\$ or US-4171528-\$).did. or (US-6639301-\$ or US-4999683-\$).did. or (JP-05259479-\$).did.				
S54	3	S53 and solder\$	US-PGPUB; USPAT; JPO	ADJ	ON	2008/01/24 10:13
S55	10	("3341380"   "3909119"   "3933541"   "4040878"   "4683483"   "4720469"   "5150176"   "5432360"   "5541140").PN. OR ("7154129").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/24 12:25
S56	3	("20020125541"   "5541140"   "5766973").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/24 13:05

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